

Discovery and Sensory Trail Project: Bill of Quantities

Phase I: Earthworks

		Quantity	Rate	Amount
SABS 1200 C, D, DK & DM				
SABS 1200 C SITE CLEARANCE				
PSC Clear and grub:				
8.2.1	.01 Areas			
	.01 2.5 m wide	m ² 1530		
	.02 3.0 m wide	m ² 2520		
	.03 All other areas: Bird hide; rest points; toilet and meditation sanctuary	m ² 300		
SABS 1200 D EARTHWORKS				
PSD 8.3.2 Bulk excavation:				
	.01 Excavate in all materials and use for fill as ordered from:			
	.01 Necessary excavations	m ³ 80		
SABS 1200 DM EARTHWORKS (ROADS, SUBGRADE)				
PSDM 8.3.2 Preparation of Site:				
	.01 Removal of topsoil to a depth of 150 mm, and the stockpiling and maintenance thereof	m ³ 660		
	.02 Hauling and spreading of topsoil to a minimum depth of 100 mm	m ³ 390		
PSDM 8.3.3 Treatment of roadbed:				
	.01 Roadbed preparation and compaction of material to:			
	.01 Minimum of 93% of modified AASHTO maximum density	m ³ 580		
PSDM 8.3.4 Borrow to fill:				
	.01 Compact to 93% of modified AASHTO maximum density	m ³ 80		
	.02 Rockfill, supply, process and compact underneath causeways to the approval of the Engineer	m ³ 300		
SABS 1200 DK GABIONS AND PITCHING				
8.2.5 Pitching:				
	.02 Grouted pitching: at causeways			
	.02 Medium pitching	m ² 250		
TOTAL Phase I: Earthworks				
Phase II: Concrete Pavement & Kerbing				
SABS 1200 G, ME & MK				
SABS 1200 ME SUBBASE				
8.3.5 Process road bed material by one of the following processes, as relevant, and use in the subbase:				
	.04 Stabilization	m ³ 580		
8.3.8 Stabilizing agent:				
	.01 Road lime	t		
	.02 Portland cement	t		
	.03 Portland blast-furnace cement (3%)	t 38		
SABS KERBING AND CHANNELLING				

1200 MK					
PSMK	Precast concrete kerbing:				
8.2.1	.03 SABS 927:2007 fig 12:				
	.01 Radius up to 4 m	m	70		
	.02 Radius over 4 m up to 20 m	m	260		
	.03 Radius over 20 m and straight sections	m	2300		
PE 13	CONCRETE PAVEMENTS				
PE.01	Concrete pavement 100 mm thick with nominal cement content of 100 kg/m³, excluding texturing and curing				
	.01 1.5 m wide wheel chair path cast alternatively in 1.5x1.8 m rectangles	m ²	1820		
	.02 2.5 m wide wheel chair path cast alternatively in 2.5x3.0 m rectangles	m ²	1050		
PE.02	Texturing and curing of concrete pavement:				
	.01 Wire-brush texturing	m ²	2870		
	.02 Curing	m ²	2870		
PE.04	Joints:				
	.01 Expansion joints complete (excluding dowels) (30 m c/c)	m	70		
	.03 Transverse contraction joints:				
	.03 Sawn contraction joints (unsealed)	m	210		
	.04 Dowel bars (mild steel) 16 mm dia x 600 mm long	no	72		
	.05 Tie bars 16 mm dia x 600 mm long used in wet/clay areas	no	150		
PE.08	Scheduled reinforcement items:				
SABS	.03 High-tensile welded mesh, ref no 245 in centre of concrete paving	m ²	2830		
1200 G	.03 High-tensile welded mesh, ref no 395 in centre of causeway concrete paving	m ²	40		
8.3.1					
TOTAL Phase II: Concrete Pavement & Kerbing					
TOTAL Phases I & II					
Phase III: Trail Sign Posts		sum	-		
Phase IV: Street Furniture and Bird Hide Resting Spots and Toilet Area		sum	-		
TOTAL Phases I to IV					
General					
Contingensies					
Sum					
14% VAT - (If Applicable)					
TOTAL SUM					